

FIG. 5

(WHITE)

96	80	64	48	32	16	12	8	4	0
255	240	224	208	192	176	160	144	128	112

(BLACK)

FIG. 9

```

[ CORRECTION TABLE PREPARING UNIT (SMOOTHING) ]

( PROGRAM EXAMPLE 1 )

int i, j, sum;
int buf [256];

for (i=1; i<255; i++) {
    sum=0;
    for (j=0; j<3; j++) {
        sum+=density [i-1+j];
    }
    buf [i] = (sum/3);
}

for (i=1; i<255; i++) {
    density [i] = buf [i];
}

/* BUFFER TO BE TEMPORARILY
   ENSURED */

/* RANGE OF j CORRESPONDS TO
   SMOOTHING WIDTH */

/* FEEDBACK DATA AFTER
   SMOOTHING */

```

FIG. 10

[CORRECTION TABLE PREPARING UNIT (SMOOTHING)]

(PROGRAM EXAMPLE 2)

```

int i, j, sum;
int buf [256], buf2 [256];
for (k=0; k<3; k++) {
    for (i=1; i<254; i++) {
        sum=0;
        for (j=0; j<3; j++) {
            sum+=buf [i-1+j];
        }
        buf2 [i] = (sum/3);
    }
    for (i=1; i<254; i++) {
        buf [i] =buf2 [i];
    }
}

for (i=1; i<254; i++) {
    density [i] =buf [i];
}

/* BUFFER TO BE TEMPORARILY ENSURED */
/* RANGE OF k CORRESPONDS TO NUMBER OF TIMES FOR SMOOTHING */
/* RANGE OF j CORRESPONDS TO SMOOTHING WIDTH */
/* FEEDBACK DATA AFTER SMOOTHING */

```